

Lightsource Test Report

Product Information

Product Type: 100W

Product Number: 39

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3335$ $y=0.3503$ $u(u')=0.2041$ $v=0.3215$ $v'=0.4823$

CCT: $T_c=5458K$ ($duv=0.00418$)

Color Ratio: $R=0.131$ $G=0.840$ $B=0.029$

Peak Wavelength: 446.5nm

Half Bandwidth: 20.8nm

Dominant Wavelength: 555.0nm

Color Purity: 0.052

CRI: R_a : $R_a=70.2$

$R_1=71$

$R_2=70$

$R_3=68$

$R_4=77$

$R_5=72$

$R_6=60$

$R_7=79$

$R_8=65$

$R_9=0$

$R_{10}=27$

$R_{11}=77$

$R_{12}=33$

$R_{13}=68$

$R_{14}=82$

$R_{15}=67$

Color Quality Scale: $Q_a=70.9$, $Q_f=69.9$, $Q_p=73.9$, $Q_g=89.4$

$Q_1=80$

$Q_2=93$

$Q_3=63$

$Q_4=57$

$Q_5=68$

$Q_6=72$

$Q_7=78$

$Q_8=87$

$Q_9=88$

$Q_{10}=72$

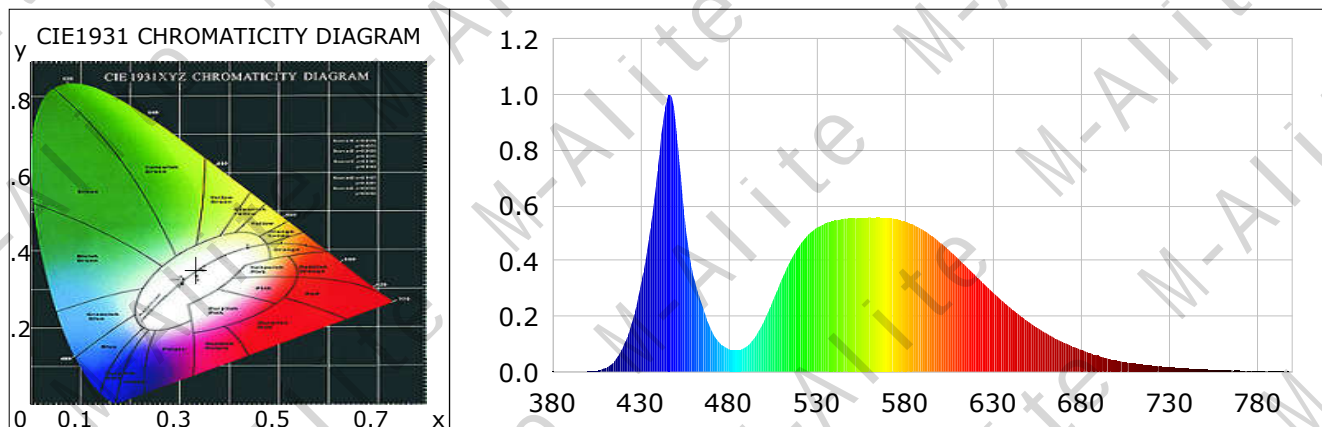
$Q_{11}=66$

$Q_{12}=68$

$Q_{13}=71$

$Q_{14}=60$

$Q_{15}=68$



Photometric Parameters

Luminous Flux: 11654.27 lm
EEI: 0.12

Efficiency: 112.28 lm/W

Radiant Power: 34.446 W

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 218.60V

Current: 0.4850A

Power: 103.80W

Power Factor: 0.9790

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 44932 (2824)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 21.49 ms

Condition: $T_x=28.1^\circ C$, $T_i=26.8^\circ C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-03-21 13:05:19

Inspector: